

FLAT PLATE FUEL CELL STACK

Abstract of Disclosure

A fuel cell unit includes a cassette holder for a ceramic fuel cell element sandwiched between interconnects of a novel design. The cassette holder isolates the cell from the surrounding interconnect by means of a pliant seal within a rigid frame, thereby reducing the possibility of breakage of the brittle cells. The cassettes are assembled between an upper and lower interconnect to isolate the upper face of the cell from the lower face of the cell. A fuel cell unit includes an upper and lower interconnect containing a cassette. A fuel cell stack is formed from a plurality of fuel cell units.

Figures